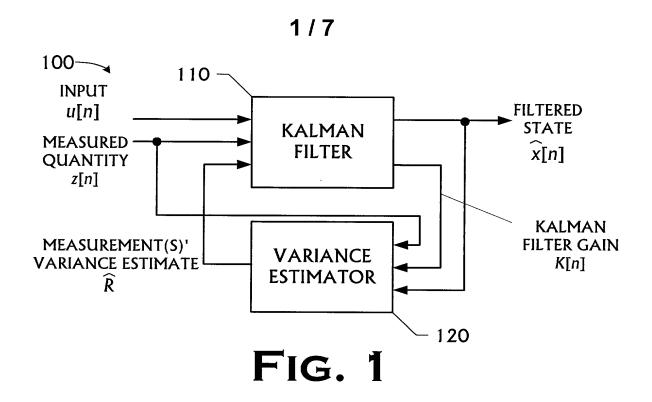
400

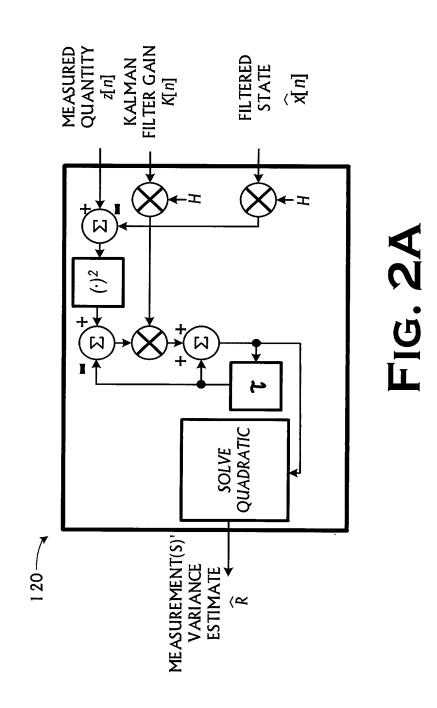


ESTIMATE THE VARIANCE OF A MEASURED QUANTITY FOR USE IN FILTERING AN INPUT QUANTITY AND THE MEASURED QUANTITY

DETERMINE A SMOOTHED ESTIMATE OF AN INSTANTANEOUS PREDICTION ERROR'S VARIANCE

FILTER THE INPUT QUANTITY AND THE MEASURED QUANTITY THROUGH A KALMAN FILTER USING THE ESTIMATED INPUT VARIANCE OF THE MEASURED QUANTITY SIGNAL

FIG. 4



P. T. J. T. W. W. W. W. W. W. W. T. W. C. C. C. W. L. L. W. W. W.

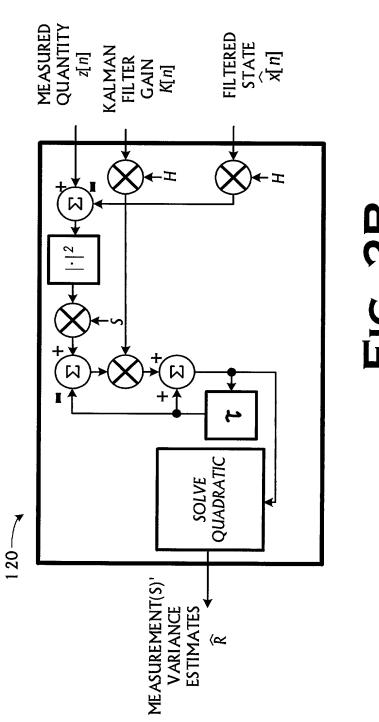


Fig. 2B

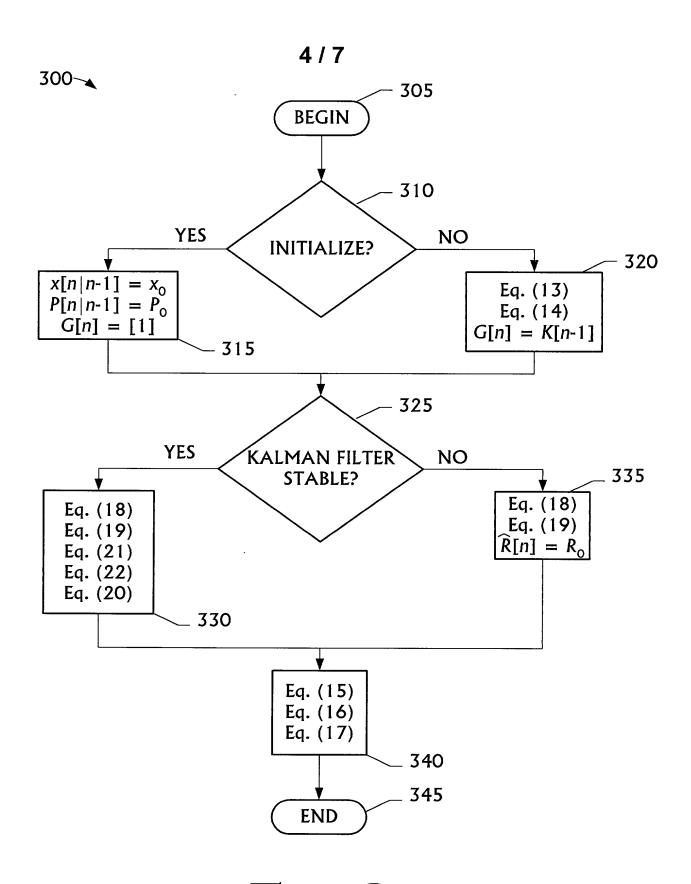


Fig. 3

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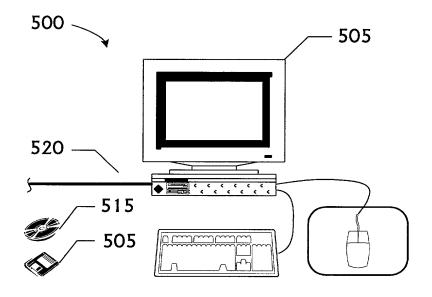
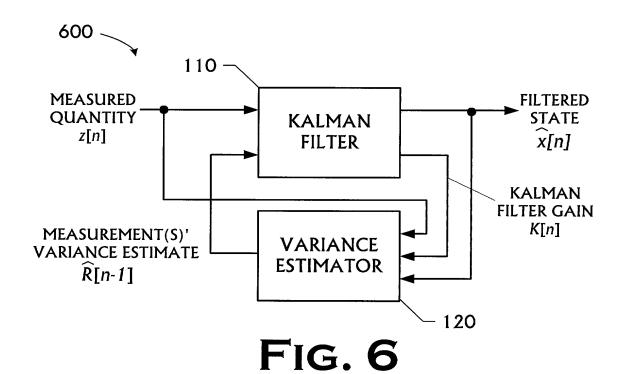


Fig. 5



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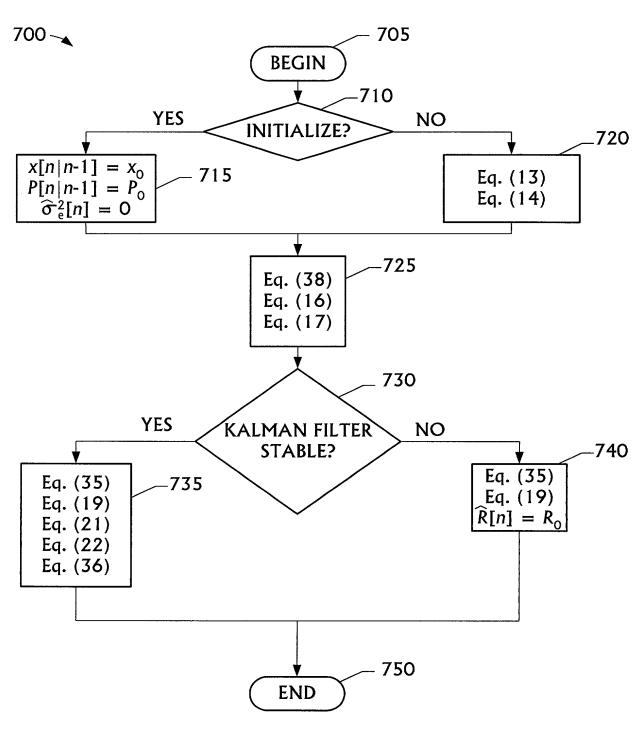


FIG. 7

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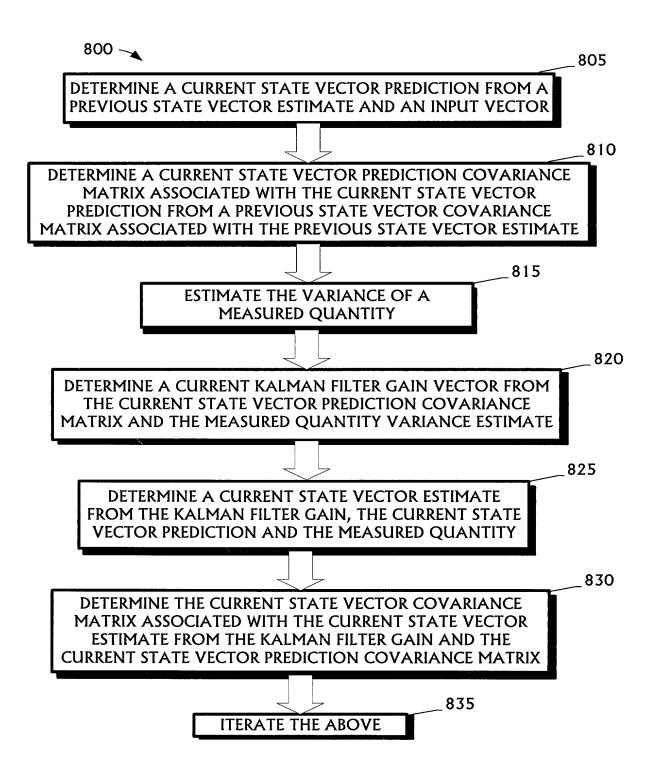


Fig. 8